

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A conformal load-bearing antenna assembly comprising:

a rigid pan providing structural rigidity and shaped to fit within an aircraft window opening;

an antenna element disposed within the pan; and

a connection for coupling a signal to the antenna element.
2. (Original) The antenna assembly of claim 1, wherein the antenna element comprises a stripline supported by a dielectric sheet, and at least one radiating element coupled to the stripline.
3. (Original) The antenna structure of claim 2, wherein the antenna element further comprises a front ground plane and a back ground plane, with the front ground plane forming one or more slots adjacent to the radiating element.
4. (Original) The antenna structure of claim 1, further comprising a conductive gasket positioned adjacent to the perimeter of the antenna element, electrically bonding the antenna to an aircraft fuselage and providing a pressure seal.
5. (Original) The antenna structure of claim 1, wherein the pan forms a pressure seal with the aircraft window opening.
6. (Original) The antenna structure of claim 1, further comprising a bonding strap for carrying lightning currents from the antenna structure to a fuselage of the aircraft.
7. (Previously Presented) The antenna structure of claim 3, wherein the front ground plane and the back ground plane are electrically bonded to each other.
8. (Previously Presented) The antenna structure of claim 3, wherein the back ground plane is electrically bonded to the pan.

9. (Previously Presented) The antenna assembly of claim 1, wherein the antenna element comprises a tapered stripline.